

The fraction of Ajax vehicles using the 300-2 bbl, engine which fall in the 3,500 lb inertia weight class with an automatic transmission.

Fuel economy for 300-2 bbl, 3,500 lb automatic transmission base level.

Ajax, 300-2 barrel, automatic, MPG

$$\frac{0.3000}{15.9020} + \frac{0.7000}{13.8138} = 14.3503$$

Similarly,
Ajax, 300-2 barrel, manual MPG = 16.1 16 MPG¹

$$\text{Dodo, 300-2 barrel, manual MPG} = \frac{1}{\frac{0.4000}{16.1001} + \frac{0.6000}{14.6840}} = 15.2185, 15 \text{ mi/gal}^1$$

$$\text{Dodo, 300-2 barrel, automatic MPG} = \frac{1}{\frac{0.3000}{15.9020} + \frac{0.7000}{13.8138}} = 14.3803, 14 \text{ mi/gal}^1$$

Boredom III, 300-2 barrel, manual MPG = 14.6840, 15 mi/gal¹

$$\text{Boredom III, 300-2 barrel, automatic MPG} = \frac{1}{\frac{0.2500}{13.8138} + \frac{0.7500}{13.2203}} = 13.3638, 13 \text{ mi/gal}^1$$

$$\text{Castor, 300-2 barrel, automatic MPG} = \frac{1}{\frac{0.2000}{13.2203} + \frac{0.8000}{10.6006}} = 11.0381, 11 \text{ mi/gal}^1$$

Note that even though no Dodo was actually tested, this approach permits its fuel economy figure to be estimated, based on the inertia weight distribution of projected Dodo sales within a specific engine and transmission grouping.

¹ The model type fuel economy values, rounded to the nearest mile per gallon, are the fuel economy values as used on general labels for that model year.